

REMARKS

Claims 1 and 3-21, as amended, remain herein. Claim 2 has been cancelled. Claims 9-17, 20 and 21 have been withdrawn from consideration. Support for the amendments to the claims may be found, for example, in applicants' specification at p. 18, line 1--p. 19, line 4; p. 25, lines 4-14; and in Figs. 1-3.

1. Claims 1 and 3-8 were rejected under 35 U.S.C. § 112, second paragraph. Claim 1 has been amended, mooted the rejection by clarifying that "inverting the video signal" means "the coherent light generator signal corresponds to a string of data, the string of data being read in a first direction corresponding to a first scan direction of coherent light on the screen, and being read in a reverse direction corresponding to a second scan direction of coherent light on the screen." Support for the amendment to claim 1 may be found, for example, in applicants' specification at p. 25, lines 4-14. Reconsideration and withdrawal of the rejection are respectfully requested.

2. Claims 1, 3-8, 18 and 19 were rejected under 35 U.S.C. § 102(b) over JP 63-267909 (JP '909). JP '909 fails to disclose that each reflection pane of the polygon mirror corresponds to at least one change in a scanning direction of coherent light on the screen during each rotation of the polygon mirror, as recited in applicants' amended claims 1 and 18. See applicants' Figs. 2(a)-2(c), 3(a) and 3(b). On the contrary, JP '909 discloses that a single laser simultaneously performs multiple scans, via reflection, in the same direction on a screen.

JP '909 further fails to disclose reading a data string in reverse when the scan direction changes, as recited in amended claim 1.

Since JP '909 fails to disclose every element of applicants' claims 1 and 18, JP '909 is an inadequate basis for rejecting claims 1, 3-8, 18 and 19 under 35 U.S.C. § 102(b).

Reconsideration and withdrawal of the rejection are respectfully requested.

3. Claims 1, 3, 4, 18 and 19 were rejected under 35 U.S.C. § 102(b) over Iwai U.S. Patent 5,044,710. Iwai fails to disclose that each reflection pane of the polygon mirror corresponds to at least one change in a scanning direction of the coherent light on the screen during each rotation of the polygon mirror, as recited in applicants' amended claims 1 and 18. On the contrary, Iwai discloses a method for increasing scan speed by reflecting light back onto a surface of a polygon mirror.

Iwai further fails to disclose reading a data string in reverse when the scan direction changes, as recited in amended claim 1.

Since Iwai fails to disclose every element of applicants' claims 1 and 18, Iwai is an inadequate basis for rejecting claims 1, 3-8, 18 and 19 under 35 U.S.C. § 102(b).

Reconsideration and withdrawal of the rejection are respectfully requested.

Accordingly, all claims 1, 3-8, 18 and 19 are now fully in condition for allowance and a notice to that effect is respectfully requested. The PTO is hereby authorized to charge/credit any fee deficiencies or overpayments to Deposit Account No. 19-4293. If further amendments would place this application in even better condition for issue, the Examiner is invited to call applicants' undersigned attorney at the number listed below.

Respectfully submitted,

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